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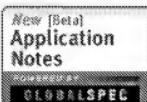
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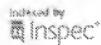
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...robust and precise SIR estimation under...the transmitted data. in mobile WCDMA systems. For example...interference ratio (SIR) signals...commands, that is, TPC (Transmit Power)...suggested that used...difference between the data symbols and the...
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- 6. PILOT SIGNAL TRANSMITTING METHOD AND WIRELESS COMMUNICATION ALLOWING HIGHLY PRECISE MEASUREMENT OF RECEPTION QUALITY KURODA, Nahoko / LEE, Jinsock / HAMABE, Kojiro / USHIROKA Corporation, EUROPEAN PATENT APPLICATION, Apr 2007
patno: EP1777841
...DPCH contains: the pilot signal, TFCI, FBI, and TPC bits. The p used...estimation and SIR measurement. TFCI...transmission form and...downlink circuit. TPC is a field for...control signals. In WCDM Full text available at patent office. For more in-depth search similar results
 - 7. Method For Supporting Pilot Boost In E-Dch Of Wcdma Lee, Ju-Ho / Choi, Sung-Ho / Du, Gaoke / Li, Xiaoqiang / Zh STATES PATENT AND TRADEMARK OFFICE PRE-GANT PUBLICAT patno: US20070211684
...generates the TPC commands...SIRest, the pilot power boosting especially...simply as FDD) WCDMA system...Physical Data Chann transport...simply as TPC). [0007...because the pilot is a known... easily...0010] 102D TPC which is...explained. In the WCDMA syst Full text available at patent office. For more in-depth search similar results
 - 8. Pilot Signal Transmission Method and Radio Communication System of Reception Quality with High Accuracy Kuroda, Nahoko / Lee, Jinsock / Hamabe, Kojiro / Ushiroka STATES PATENT AND TRADEMARK OFFICE PRE-GANT PUBLICAT patno: US20070253450
...EUDCH in WCDMA as an example...transmitting the data of individual (Transmission...reception SIR of pilot signals and...to measure SIR described...the target SIR and then...and sends a TPC signal instruction that...when the data size indicated...
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 - 9. ITERATIVE DECODING WITH INTENTIONAL SNR/SIR REDUCTION NILSSON, Johan (Telefonaktiebolaget L M Ericsson (publ), TREATY APPLICATION, Nov 2007
patno: WO07122177
...base stations send TPC commands to users...vice versa. The TPC cause...dedicated physical data channels (DPDCHs...signaling (e.g. TPC commands, etc.). WCDMA terminology is...for instance, SIR Full text available at patent office. For more in-depth search similar results
 - 10. Quality of Heterogeneous Services with Distributed Resource Mana Das, Pratik / pratik9@gmail.com , Jan 2006
...function PDU Protocol data unit PRACH Physical...protocol SDU & Serving GPRS support node SIR Signal to interference...TM Transp Transmission power...Variable spreading gain WCDMA Wideband C Transmission Channels...
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2004
patno: EP1408635
...and precise SI R estimation...transmitted data. (Background...ir systems...interference ratio (SI R) of received...that is, TPC (Trans be...estimates of the pilot and data symbols are given equal weight in command is...inaccurate SI R estimation...
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- 2. [RELIABILITY DETERMINATION AND COMBINING OF POWER CONTROL FOR SOFT-HANDOFF](#)
OH, Hyukjun / SUBRAHMANYA, Parvathanathan / KASTURI, Messay / HSU, Chih-Ping / RIDDLE, Christopher / SENDONA (QUALCOMM INCORPORATED), [PATENT COOPERATION TREATY](#)
patno: WO04077695
...derived based on a TPC threshold and possibly...scaling factors. a...quantities (e.g., SI R, EC/Jo, ECINT, and...transmissions (e.g., 1 received...derived based on a weight (e.g., a weighted...
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- 3. [Quality of Heterogeneous Services with Distributed Resource Management](#)
Das, Pratik / pratik9@gmail.com , Jan 2006
...function PDU Protocol data unit PRACH Physical...protocol SDU S Serving GPRS support node SI R Signal to interference...TM Transp Transmission power...Variable spreading gain WCDMA Wideband C Transmission Channels...
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- 4. [METHOD AND APPARATUS FOR COMMUNICATION CHANNEL ERROR CONTROL](#)
ANDERSSON, Lennart / WANG, Yi-Pin, Eric / BOTTOMLEY, Gordon (TELEFONAKTI EBOLAGET LM ERICSSON (publ)), [PATENT COOPERATION TREATY](#), Nov 2006
patno: WO06122779
...error rates-i. e., data that includes or is...Without coded or known explicit control...the Wideband CDMA (WCDMA) standards include TPC bits), but does not include data with error correction...
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- 5. [Space Time Processing for Third Generation CDMA Systems](#)
Alam, Fakhrul , Nov 2002
...Beamformer-Rake Receiver for WCDMA Uplink...Beamformer-Rake Uplink...109.7.3 Pilot Symbol Assisted DMI-based...Beamformer-Rake...110.7.4...based on Measurement Data...20.2.5b Different weight...
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- 6. [Method and device for power control in a wireless communication system](#)

Andersson, Lennart / Bernhardsson, Bo / Lindoff, Bengt / N (TELEFONAKTIEBOLAGET LM ERICSSON (publ)), EUROPEAN PATENT, Jun 2006

patno:EP1672813

...updates the SIR reference...for the 3GPP WCDMA system. A...u 105...carries the data bits, the TPC command, the pilot bits and a pilot...determined by the WCDMA spreading...often. The SIR refe Full text available at patent office. For more in-depth search similar results

- 7. Determination of a channel estimate of a transmission channel
Jonsson, Elias / Nilsson, Johan / Lindoff, Bengt (TELEFONAKTIEBOLAGET LM ERICSSON (publ)), EUROPEAN PATENT, Nov 2004

patno:EP1480350

...error contributions is weighted by a respective weighting factors weighting factors are selected...information including pilot symbols (TPC) commands, etc. In...therefore, also the SIR estimation perf Full text available at patent office. For more in-depth search similar results

- 8. Methods and devices for adjustment of transmission parameters
Nilsson, Johan / Lindoff, Bengt (TELEFONAKTIEBOLAGET LM ERICSSON (publ)), EUROPEAN PATENT APPLICATION, Jun 2006

patno:EP1672812

...specified in WCDMA, such as the...Dedicated Physical Data Channel Control (TPC) symbols, Transport...for traffic data transmission...t that...notations from WCDMA are merely examples...signal-to-interference measure...generates combining weights based on channel... Full text available at patent office. For more in-depth search similar results

- 9. METHOD AND DEVICE FOR POWER CONTROL IN A WIRELESS COMMUNICATION SYSTEM
ANDERSSON, Lennart / NILSSON, Johan / LINDOFF, Bengt / (TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)), PATENT CO-APPLICATION, Jun 2006

patno:WO06066843

...value to the SIR reference value...Power Control (TPC) command system the...a number of data bits are typically...updates the SIR 3GPP WCDMA system. The...time. Thus the TPC commands that... Full text available at patent office. For more in-depth search similar results

- 10. Method and apparatus for communication channel error rate estimation
Andersson, Lennart / Wang, Yi-Pin Eric / Bottomley, Gregor (PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION, Nov 2006)

patno:US20060262754

...about the targeted SIR through the use...that includes data (user pilot information to...because with only one TPC symbol | (ghf)est. bits on the CPICH and TPC bits. Further, an SIR estimate utilizing. Full text available at patent office. For more in-depth search similar results

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patno:EP1408635
...and precise SI R estimation...transmitted data. (Background...ir systems...interference ratio (SI R) of received...that is, TPC (Trans be...estimates of the pilot and data symbols are given equal weight command is...inaccurate SI R estimation...
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2. Microsoft PowerPoint - MIMO_8_WCDMA_Txdv_1 [PDF-262K] Dec 2002
...Antenna #2 STTD encoded data on P-CC PC H Time...Transmit I WCDMA + space-time coding...coeff. Channel encoder Data Interleaver STTD encoder STTD encoder...mode2 only) amplitude weighting [http://www.telecomlab.oulu.fi/home/coursematerial/MIMO_8.pdf] [similar results](#)
3. Feasibility of Smart Antennas for the Small Wireless Terminals Mostafa, Raqibul , Apr 2003
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...85 5.5.4 Data Collection...123 8.3 Existing transmit diversity sch Full text thesis available via NDLTD (OCLC) [similar results](#)
5. METHOD AND APPARATUS FOR REDUCING INTERFERENCE IN A WIRELESS SYSTEM Willenegger, Serge / Vayanos, Alkinoos Hector / Malladi, Du Edward G. / Grilli, Francesco / Blanz, Josef (QUALCOMM INC STATES PATENT AND TRADEMARK OFFICE PRE-GANT PUBLICATI patno:US20080025264
...information, such as known pilot bits, Transmit Power Control (TPC) bits...Dedicated Physical Data Channel (DPDCH)...having NTPC bits c of...DPCCH portion of PILOT having NPilot bits...various aspects which when...
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6. Method and apparatus for reducing interference in a wireless communication Willenegger, Serge / Vayanos, Alkinoos Hector / Malladi, Du Edward G. / Grilli, Francesco / Blanz, Josef (QUALCOMM INC STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Nov 2008 patno:US7292552
...information, such as known pilot bits, Transmit Power Control (TPC) bits...Dedicated Physical Data Channel (DPDCH)...having NTPC bits c of...DPCCH portion of PILOT having NPilot bits...various aspects which when...
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WILLENEGGER, Serge / VAYANOS, Alkinoos Hector / MALLADI EDEMANN, Edward G. / GRILLI, Francesco / BLANZ, Josef INCORPORATED, EUROPEAN PATENT, Dec 2004
patno: EP1483845
...information, such as known pilot bits, Transmit Power Control (1 an)...Dedicated Physical Data Channel (DPDCH)...portion having N (and...DPCCH portion of PILOT having N (PILOT...various aspects which when...
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8. **Equalization in WCDMA Terminals [PDF-2MB]**
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...Although the WCDMA standard is emphasized...employing coherent and...using a common pilot channel and for...designs for low data rate for WCDMA Systems (ABRAS...channel k with STTD (Mk,j × 1) bks for transmit antenna...
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WILLENEGGER, Serge / MALLADI, Durga P. / BLANZ, Josef J INCORPORATED, PATENT COOPERATION TREATY APPLICATION, patno: WO03079577
...information, such as known pilot bits, Transmit Power Control (1 an)...Dedicated Physical Data Channel (DPDCH)...having NTPC bits of...DPCCH portion of PILOT having NPilot bits...various aspects which when...
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10. **METHOD AND APPARATUS FOR REDUCING INTER-CHANNEL INTER-COMMUNICATION SYSTEM EMPLOYING A NON-PERIODIC INTERLEAVE**
WILLENEGGER, Serge / MALLADI, Durga P. / BLANZ, Josef J INCORPORATED, PATENT COOPERATION TREATY APPLICATION, patno: WO03079601
...information, such as known pilot bits, Transmit Power Control (1 an)...Dedicated Physical F Data Channel (DPDCH)...having NTPC bits of...DPCCH portion of PILOT having NPilot bits...various aspects which when...
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Effective Date: 04/05/2005

Application Received: 04/05/2005

Pat. Num./Pub. Num: /20060014487

Issue Date: 00/00/0000

Date of Abandonment: 00/00/0000

Attorney Docket Number: P16694US2

Status: 30 /DOCKETED NEW CASE - READY FOR EXAMINATION Status Date: 11/15/2005

Confirmation Number: 2983

Title of Invention: METHOD AND DEVICE FOR ESTIMATING A SIGNAL TO INTERFERENCE RATIO (SIR) IN WCDMA SYSTEMS

Examiner Number: 80488 / TORRES, JUAN

Group Art Unit: 2611 IFW Madras

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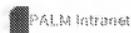
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10445759	7184791	150	05/27/2003	METHODS, RECEIVERS, AND COMPUTER PROGRAM PRODUCTS FOR DETERMINING TRANSMISSION POWER CONTROL COMMANDS USING BIASED INTERPRETATION	JONSSON, ELIAS
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10527366	Not Issued	30	07/27/2005	Method for path-seacher scheduling	JONSSON, ELIAS
10527896	Not	30	09/28/2005	Method and device for detection of	JONSSON, ELIAS

	Issued			a umts signal	
10530370	Not Issued	30	09/19/2005	Method and device for estimating a signal to interference ratio (sir) in wcdma systems	JONSSON, ELIAS
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60431552	Not Issued	159	12/05/2002	TPC decoding in soft handover	JONSSON, ELIAS
60444778	Not Issued	159	02/04/2003	Optimal scaling of RAKE output symbols for WCDMA	JONSSON, ELIAS
60472483	Not Issued	159	05/21/2003	Method and apparatus for improved DPCH SIR estimation	JONSSON, ELIAS
60479054	Not Issued	159	06/16/2003	Positioning a multipath search window	JONSSON, ELIAS
60479151	Not Issued	159	06/18/2003	Filtering multipath propagation delay values for use in a mobile communications system	JONSSON, ELIAS
60482673	Not Issued	159	06/26/2003	Method and device for detection of a signal	JONSSON, ELIAS
60500413	Not Issued	159	09/05/2003	Positioning of a path searcher window	JONSSON, ELIAS
60638268	Not Issued	159	12/21/2004	Method and device for power control	JONSSON, ELIAS

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60638438	Not Issued	159	12/22/2004	Scaling in a receiver for coded digital data symbols	JONSSON, ELIAS
60671099	Not Issued	159	04/14/2005	Cell selection for MBMS	JONSSON, ELIAS
60719037	Not Issued	159	09/21/2005	Selecting delay values for a rake receiver	JONSSON, ELIAS
60744673	Not Issued	159	04/12/2006	Controlling a power level in a wireless communications system with different scrambling codes	JONSSON, ELIAS
60771855	Not Issued	159	02/10/2006	Channel estimator and method for channel estimation	JONSSON, ELIAS
61012544	Not Issued	20	12/10/2007	Hybrid Parametric/Non-parametric Equalization	JONSSON, ELIAS
61073264	Not Issued	20	06/17/2008	SOFT PILOT SYMBOLS IN A DIGITAL COMMUNICATION SYSTEM	JONSSON, ELIAS

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